

# RECYCLING AND WASTE REDUCTION REPORT

## STATE OF MISSOURI

### FISCAL YEAR 2001



***Prepared By:  
State of Missouri, Office of Administration  
In Consultation With The  
Environmental Improvement and Energy Resources Authority***

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## ACKNOWLEDGMENTS

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*Special thanks to the Missouri Interagency Recycling Committee (MIRC), department recycling coordinators and purchasing staff of the agencies who contributed to this report, for their ongoing efforts to reduce, reuse, recycle, and buy recycled-content products.*

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## **BACKGROUND**

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Legislation involving waste reduction, procurement of recycled products and recycling collection was enacted in late 1989. Chapter 34 of the Missouri Revised Statutes, sections 34.031 and 34.032, created the State Recycling Program, and also re-emphasized recycled product procurement by establishing a 10% price preference. This price preference was eliminated in 1995 by House Bill 562.

A comprehensive solid waste law was passed in 1990 to further promote waste reduction, resource recovery and market development. The law included:

- \*Development of localized solid waste management plans**
- \*Creation of a solid waste management fund**
- \*Landfill bans on yard waste, lead-acid batteries, waste oil, major appliances, whole tires, and small quantities of hazardous waste.**

Governor Carnahan announced the creation of the Missouri Interagency Recycling Committee (MIRC) in 1994. The committee, composed of representatives from each of the state departments, meets semi-annually to discuss issues dealing with recycling collection, waste reduction, recycling market conditions and recycled product procurement.

RSMo 34.032.5 mandates that each department and state agency develop and implement, in cooperation with the Office of Administration, a policy for recycling and waste reduction. It further states that recycling programs for agency offices located outside of the City of Jefferson should be coordinated through the Office of Administration or operated locally provided that the Office of Administration reviews and approves such programs.

The FY01 State Recycling and Waste Reduction Report prepared by the Office of Administration in consultation with the Environmental Improvement and Energy Resources Authority (EIERA) of the Department of Natural Resources summarizes state recycling, waste reduction and procurement activities for the period of July 1, 2000 through June 30, 2001.

The purpose of the report is to summarize and document the program's accomplishments in fiscal year 2001 and establish goals for fiscal year 2002. Many of the FY02 goals listed in this report have been incorporated from the Office of Administration, Division of Purchasing and Materials Management's (OA/DPMM) FY01 strategic plan.

The Missouri Revised Statutes may be viewed or downloaded from the Internet at <http://www.moga.state.mo.us/homestat.htm>.

## **FISCAL YEAR 2001 HIGHLIGHTS**

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OA/DPMM continues to expand efforts to promote the State Recycling Program. In addition to achieving many of the FY01 goals, the State Recycling Program accomplished many other significant tasks. These accomplishments are listed below.

- ❖ Represented the State of Missouri at the “Government to Government: A Smart Green Purchasing Summit” sponsored by the Office of the Federal Environmental Executive and the Center for a New American Dream. More than 50 federal, state, and local government EPP practitioners convened in July at the White House Conference Center in Washington, DC to discuss issues and challenges facing EPP programs.
- ❖ The Department of Corrections, Board of Probation and Parole established a State Task Force for Recycling. This task force is attempting to implement a uniform recycling program for 42 offices across the state.
- ❖ Acquired a cardboard baler for the Harry S Truman State Office Building from monies generated by the sale of recyclables. It was estimated that this building alone generated approximately 200 lbs. of cardboard per week.
- ❖ Addressed the State Purchasing Committee regarding environmentally responsible purchasing, procurement attainment goals, and the reporting and tracking of purchases of recycled content products through the SAM II system.
- ❖ Established a recycling program at the Department of Public Safety’s Gaming Commission.
- ❖ Established a statewide contract for Fluorescent Bulb Recycling Services.
- ❖ Developed and distributed reporting and tracking forms to the MIRC Committee. These forms were developed to assist agencies in their tracking and reporting efforts.
- ❖ Assisted the Department of Corrections, Division of Adult Institutions in implementing recycling programs in the adult institutions.
- ❖ Partnered with the St. Louis County Health Department to host the Gateway Green Vendor Expo. on October 17, 2000, at the St. Louis Science Center. This event brought together purchasing agents and suppliers to promote environmentally responsible purchasing.

- ♻️ Continued development and distribution of fact sheets for EP products and services available on statewide contract. Fact sheets were sent to the MIRC and State Purchasing Committees for distribution to all state agencies. These environmentally preferable products and services were also advertised electronically to over 1,200 Cooperative Procurement Members.
- ♻️ Continued efforts within OA/DPMM to identify statewide contract items, such as paper, computer paper and office supplies that should be offered in both virgin and recycled content form.
- ♻️ Introduced recycled product vendors to the State Purchasing Committee in an effort to promote the purchase of recycled content and environmentally preferable materials.
- ♻️ Continued participation in the Environmentally Preferable Purchasing Network (EPPNET) Internet discussion group sponsored by the Northeast Recycling Council (NERC). The discussion group exchanges environmental purchasing information with other jurisdictions. The participants come from across the nation and bring a wide range of experience, which has been shared with State agency personnel when applicable.
- ♻️ Organized games for school children attending the Department of Natural Resources' Earth Day Celebration at the State Capitol.
- ♻️ Displayed a variety of recycled content products in showcases at the Harry S Truman State Office Building.
- ♻️ Mo. Dept. of Corrections, Mo. Vocational Enterprises collected over 212 tons of waste tires from Missourians in support of various Earth Day activities.
- ♻️ Continued individual meetings with MIRC representatives to address recycling, waste reduction, and procurement issues specific to their department.
- ♻️ Coordinated a series of "Clean Your Files" (CYF) events in conjunction with the annual Missouri Recycles Day. In November, Jefferson City state employees collected over 60 tons of mixed office paper.
- ♻️ Continued enhancements of the State Recycling Program web page on OA/DPMM's website.



**Continued work with the Missouri Recycling Association (MORA) and the Department of Elementary and Secondary Education (DESE) to develop and coordinate a poster contest to promote Missouri Recycles Day. Over 2,898 students ranging from K-12 grades submitted poster contest entries.**

**In addition to the accomplishments above, OA/DPMM's State Recycling Coordinator continues to stay involved in environmental issues by serving on the Missouri Recycles Day Steering Committee, DNR's Pollution Prevention Coordinating Committee (P2C2), the State Waste Tire Advisory Council and serves on the Board of Directors of the Missouri Recycling Association (MORA).**

# **MISSOURI INTERAGENCY RECYCLING COMMITTEE**

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## **(MIRC)**

**The Missouri Interagency Recycling Committee (MIRC), composed of representatives from each of the state departments, meets semi-annually to discuss issues dealing with recycling collection, waste reduction, recycling market conditions, and environmentally responsible purchasing.**

**The MIRC Committee watched a video produced by the Department of Corrections, Western Mo. Correctional Center, highlighting waste reduction and recycling efforts that resulted in significant cost savings for the institution.**

**The State Recycling Coordinator reported on the progress of the following projects:**

- Purchase of a cardboard baler for the HST building**
- Fluorescent Bulb Recycling Services Contract**
- Paper Shredding Services Contract**
- Renewal of the Central Mo. Region Recycling Services Contract**
- Annual Report Reporting and Tracking Forms**
- Recycling Services Contract for Kansas City Area Offices**
- Website Updates**

**The MIRC procurement subcommittee reported that OA Commissioner Dick Hansen responded favorably to all recommendations submitted by the committee. As a result, OA State Printing agreed that printing requisitions would be revised to address the choice of virgin/recycled content paper. OA State Printing agreed to default to recycled content paper when not otherwise specified. It was decided that OA State Printing purchases would be singled out for reporting purposes in the Annual Recycling Report, as State Printing supplies products and services to all state agencies.**

**The MIRC education and outreach committee met and determined that Dennis Hansen, with the Department of Natural Resources, would serve as the chair of the committee. Members discussed various projects to include: State Recycling Program Brochure, Annual Flyer, New Employee Orientation, General Recycling Guidelines, MIRC Binders, Recycling Monitor Handbook, and Missouri Recycles Day Activities.**

## MISSOURI INTERAGENCY RECYCLING COMMITTEE (MIRC) MEMBERS

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## **ANNUAL STATE RECYCLING AWARD**

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**Each fiscal year the MIRC committee recognizes a state employee as well as a department, agency, facility or institution for outstanding performance in recycling collection, waste reduction and/or recycled product procurement. Recipients are acknowledged and presented an award by the Governor.**

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### **FY01 INDIVIDUAL RECIPIENT – Mr. Joel Walker, Mo. Dept. of Transportation**

**Joel Walker, District 7 General Services Manager, was recognized for his environmental consciousness in dealing with procurement of goods and disposal of materials.**

**Joel's efforts resulted in the establishment of a statewide contract for the disposal of fluorescent bulbs. Joel's initiative in the handling of items such as oil, oil filters, tires, antifreeze, paper, pallets, metals and batteries sets a precedent for other state employees to become more aware and environmentally conscious.**

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### **FY01 DIVISION RECIPIENT – MoDOT's Operations Unit**

**The Missouri Department of Transportation continues to receive recognition for their environmental efforts.**

**In addition to initiating and negotiating a statewide contract for recycling of fluorescent light bulbs, MoDOT took this issue one step further. It became evident to MoDOT that even the newly developed low-mercury bulbs contain certain environmental hazards. MoDOT's Research Development and Technology Unit was able to determine that switching to light emitting diode (LED) signals would save MoDOT as much as \$1 million each year, as well as reduce the hazards involved with conventional bulbs.**

**The \$1 million saved with the switch to LED signals, easily offsets the cost of recycling all of the other bulbs the department uses. MoDOT was able to save money and resources while protecting the environment.**

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### **PAST RECIPIENTS:**

**2000 – Agency Award - Department of Transportation**

**Individual Award – Ms. Cathy Brown, DPS, Div. Of Highway Patrol**

**1999 – Department of Transportation, Maintenance Division**

**1998 – Department of Transportation, Bridge Maintenance Division**

**1997 – Department of Mental Health, Fulton State Hospital, Brandt Vocational Enterprises**

**1996/1995 – Department of Conservation**

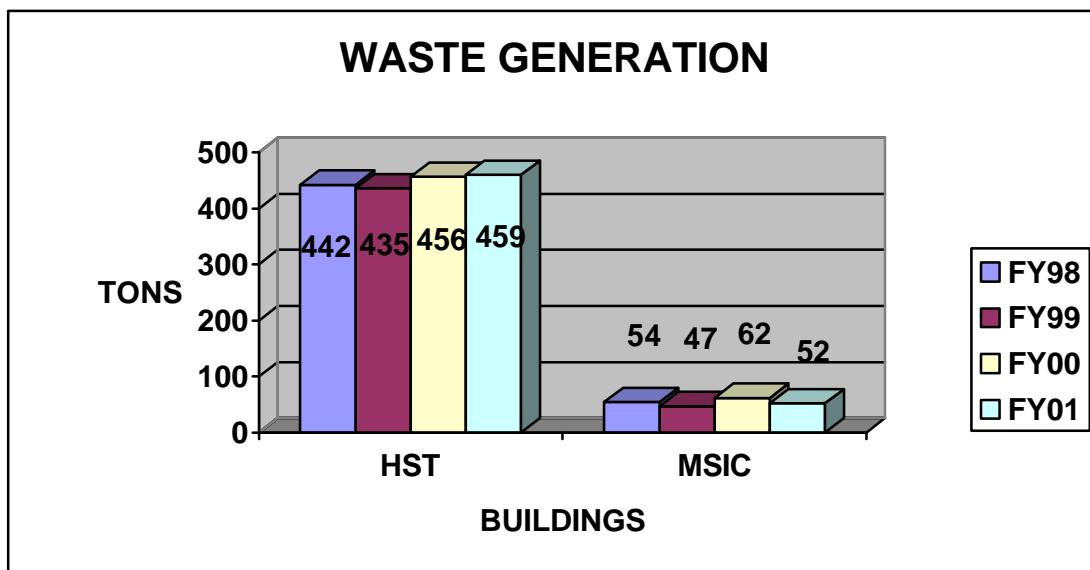
**1994 – Office of Administration, Division of Facilities Management, Springfield State Office Buildings**

## WASTE GENERATION

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We examine both the contents and quantity of waste generated by state agencies to determine the effectiveness of current waste reduction and recycling efforts. The amounts reported in this section relate to waste destined for the landfill.

Collection figures for two state facilities are available from the state's contractor for trash removal services. The majority of state office buildings are billed for trash collection by a specific number of designated pickups, with no consideration for the amount (volume or weight) of the waste at the time of collection. The Harry S Truman State Office Building and the Missouri State Information Center use trash compactors, which are weighed when emptied at the landfill. The amount of waste generated from these two facilities has been monitored since July 1, 1996.

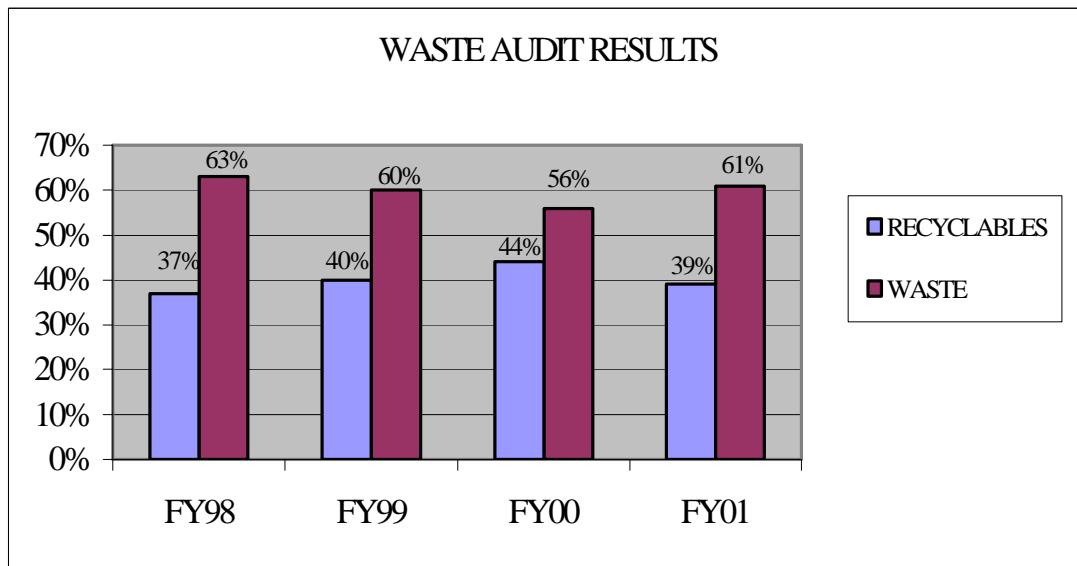


The combined amount of landfilled waste from these two facilities decreased slightly (7 tons) from FY00. It is DPMM's hope that further reduction will be realized at the HST building as a result of the recycling of baled corrugated cardboard. It was OA/DPMM's intent to not only reduce waste, avoid land filling expense, but to generate revenue for the recycling program by marketing the baled corrugated cardboard.

OA/DPMM will continue to encourage and emphasize responsible recycling and waste reduction programs to state agencies.

## Waste Audits

The State Recycling Program conducted seventeen (17) waste audits during FY01, involving the sorting and weighing of more than 1,274 lbs. of state waste destined for the landfill. The table below compares the amount of recyclable materials found in the waste stream that was covered by the recycling service contract for the central Missouri region.



As seen in the table above, the amount of recyclable material found in the waste stream decreased from 44% in FY00 to 39% in FY01. Although a slight decrease is shown above, OA/DPMM believes the substantial amount of recyclable material found in the waste stream supports the idea that lack of support, promotion and education can significantly hamper the State's recycling and waste reduction efforts.

Education and promotion of the State's recycling and waste reduction efforts has been, and continues to be essential for a successful recycling program. Every department of state government should incorporate recycling, waste reduction and environmentally responsible purchasing into their common practices. These issues should be addressed in strategic plans, new employee orientations, and employee performance plans.

## FY01 WASTE AUDIT SUMMARY

						RCYCLBLS						OTHR WST			
		MIXED	Krft Env. Pst	Mags,Catlg		FND IN	Corrugated				Trash	FND IN	TOTAL LBS		
DATE	SORT #	PAPER	Its,RmWrprs	Wndw Env	Aluminum	WST STRM	Cardboard	Glass	Plastic	Steel	Food Waste	WST STRM	SORTED	Dept.	
6/14/01	1	22%		1%	9%	2%	34%	26%	0%	6%	0%	35%	67%	46.25 Insurance	
6/13/01	2	44%		0%	2%	1%	47%	2%	1%	11%	0%	40%	54%	54.50 MO Quality Aw.	
6/13/01	3	2%		0%	8%	1%	11%	4%	0%	1%	0%	83%	88%	24 Econ. Dev.	
6/13/01	4	19%		1%	28%	2%	50%	2%	0%	1%	0%	47%	50%	53.25 Treasurer's Off	
6/13/01	5	8%		1%	3%	6%	18%	69%	0%	6%	3%	4%	82%	36 Health Lab	
6/13/01	6	15%		0%	3%	6%	24%	6%	0%	9%	0%	61%	76%	34 SS/ Data Proc.	
6/14/01	7	1%		0%	1%	1%	2%	0%	1%	0%	0%	99%	99%	204 Corrections	
6/14/01	8	4%		8%	12%	2%	26%	2%	2%	1%	0%	70%	75%	50 Rev.Gen.Coun.	
6/14/01	9	31%		6%	0%	2%	38%	20%	0%	2%	0%	42%	62%	35.75 Econ. Dev.	
6/14/01	10	92%		1%	2%	1%	95%	0%	0%	0%	0%	5%	5%	271 Revenue	
6/14/01	11	0%		0%	2%	3%	5%	82%	0%	3%	0%	10%	95%	31 DPS/Liquor Con.	
6/14/01	12	30%		3%	37%	2%	71%	5%	1%	2%	0%	21%	29%	95 Ins./Licensing	
6/14/01	13	98%		0%	0%	0%	98%	0%	0%	0%	0%	2%	2%	86 Rev./Income Tax	
6/20/01	14	16%		8%	4%	0%	28%	0%	0%	0%	0%	72%	72%	12.50 Higher Education	
6/20/01	15	42%		6%	0%	1%	49%	0%	0%	3%	0%	48%	51%	16.75 MO STARS	
6/26/01	16	22%		6%	2%	1%	31%	0%	1%	3%	0%	65%	69%	144 Health Dept.	
7/24/01	17	25%		4%	7%	2%	38%	0%	0%	2%	0%	60%	62%	81 Health Dept.	
<b>Avg = 15 Sorts*</b>		<b>25.13%</b>		<b>2.93%</b>	<b>7.80%</b>	<b>1.93%</b>	<b>37.80%</b>	<b>14.53%</b>	<b>.26%</b>	<b>3.27%</b>	<b>.20%</b>	<b>44.03%</b>	<b>62.23%</b>	<b>799</b>	
<b>Avg = 17 Sorts</b>		<b>27.64%</b>		<b>2.65%</b>	<b>7.06%</b>	<b>1.76%</b>	<b>39.06%</b>	<b>12.82%</b>	<b>.29%</b>	<b>2.88%</b>	<b>.18%</b>	<b>44.94%</b>	<b>61%</b>	<b>1274</b>	

## **RECYCLING FUND**

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Revenues generated from state recycling efforts fund costs of the State Recycling Program. Revenues vary from year to year primarily due to market fluctuations. In the past five years, mixed office paper reimbursement rates have ranged from \$0 per ton to \$195 per ton. Market prices for mixed office paper have been low for the past 12-18 months with little relief in sight.

Costs associated with the program include recycling bins, printing, promotional items, conferences and training. DPMM purchased a cardboard baler for the HST dock during FY01. It was estimated the HST building generated more than 200 pounds of cardboard per week. Not only would a reduction in waste hauling expense be realized, but also revenue from the sale of the baled cardboard.

Excess revenues over costs are transferred to the Department of Social Services, Division of Family Services' Energy Assistance Program pursuant to RSMo 34.032. The Energy Assistance Program provides financial assistance to low-income Missourians for heating their homes during winter months. The State Recycling Program has transferred a total of \$75,000 to the Energy Assistance Program since its inception.

### **RECYCLING FUND SUMMARY**

<b>Fiscal Year</b>	<b>Revenues</b>	<b>Program Costs</b>	<b>Funds Transferred</b>
1991	\$10,262	\$4,974	
1992	\$4,920	\$8,053	
1993	\$8,110	\$6,493	
1994	\$9,074	\$7,104	
1995	\$31,148	\$8,397	\$20,000
1996	\$47,638	\$13,123	\$20,000
1997	\$24,038	\$6,299	\$20,000
1998	\$25,801	\$12,712	\$15,000
1999	\$7,804	\$10,442	
2000	\$26,443	\$12,967	
2001	\$27,880	\$19,174	
<b>Total</b>	<b>\$223,118</b>	<b>\$109,738</b>	<b>\$75,000</b>

## **RECYCLING COLLECTION**

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**State employees continue to showcase that recycling is working in Missouri State Government Offices. Since the program was enacted in 1989, employees have changed with the times. In the beginning employees were restricted to recycling only white office paper; currently employees in the central Mo. Region are able to conveniently recycle almost any type of paper product. Reducing the waste stream is only one of the benefits of a well organized recycling program. It is DPMM's hope to further reduce the waste stream (reduce costs) by the addition of a cardboard baler in the Harry S Truman State Office Building in Jefferson City.**

**State Employees once again supported Missouri Recycles Day and America Recycles Day by organizing a series of "Clean Your Files" events. Over 60 tons of mixed office paper was collected at "Clean Your Files" events.**

**Materials recovered for reuse or recycling are quantified on the next page. These figures are a clear indication that recycling in state government offices appears to be at an all-time high.**

# TOTAL MATERIALS RECOVERED

ITEM	UNIT OF MEASURE	FY98	FY99	FY00	FY01
Container, Glass	Lbs.	2,475	218	663	1,916
<b>TOTAL GLASS</b>	<b>Lbs.</b>	<b>2,475</b>	<b>218</b>	<b>663</b>	<b>1,916</b>
Aluminum	Lbs.	142,774	54,062	45,304	144,527
Scrap Metal	Lbs.	522,061	662,500	199,084	635,394
Steel Cans	Lbs.				139,471
Brass	Lbs.				40
<b>TOTAL METALS</b>	<b>Lbs.</b>	<b>664,835</b>	<b>716,562</b>	<b>244,888</b>	<b>919,432</b>
Books, Bound Publications	Lbs.	10,620			
Corrugated Cardboard	Lbs.	193,887	328,720	233,535	758,559
Magazines	Lbs.	13,586	7,062	14,860	25,142
Mixed Office Paper	Lbs.	2,234,587	2,281,426	2,899,981	4,748,882
Telephone Books	Lbs.	22,420	49,901	18,095	19,808
Newsprint	Lbs.	16,582	15,337	16,530	45,257
<b>TOTAL PAPERS</b>	<b>Lbs.</b>	<b>2,491,682</b>	<b>2,682,446</b>	<b>3,183,001</b>	<b>5,597,748</b>
Mixed Plastic	Lbs.	3,267	6,893	883	14,762
<b>TOTAL PLASTIC</b>	<b>Lbs.</b>	<b>3,267</b>	<b>6,893</b>	<b>883</b>	<b>14,762</b>
Antifreeze	Gal.	136	5,660	5,160	980
Gasoline	Gal.	3,844			
Diesel Fuel	Gal.	492			
Paint	Gal.			100	1,027
Oil, Used Cooking	Gal.				14,400
Oil, Used Motor	Gal.	72,045	66,210	51,058	46,430
Solvent	Gal.		37		35
Styrofoam	Gal.				951
<b>TOTAL OTHER</b>	<b>Gal.</b>	<b>76,517</b>	<b>71,907</b>	<b>56,818</b>	<b>63,823</b>
Compost	Lbs.				560
Styrofoam	Lbs.				231
Textiles	Lbs.		1,000		1,384
<b>TOTAL OTHER</b>	<b>Lbs.</b>		<b>1,000</b>		<b>2,175</b>
Batteries, Lead Acid	Each	1,625	1,936	2,771	4,128
Batteries, Ni-Cd & NiMH	Each	728	4,311	3,841	4,562
CD Roms	Each			50	
Diskettes	Each			1,700	
Film	Each			20	
Fluorescent Lamps	Each	29,780	13,500	26,691	19,708
Oil Filters	Each	720	500	900	1,458
Pallets	Each	4,444	11,860	3,750	10,491
Tires	Each	561,124	540,856	68,660	691,701
Toner Cartridges	Each	6,830	2,457	3,189	11,182
Tyvek Envelopes	Each			700	400
Videocassette Tapes	Each	582	2,805		
<b>TOTAL OTHER</b>	<b>Each</b>	<b>605,833</b>	<b>578,225</b>	<b>112,272</b>	<b>743,630</b>

## **ENVIRONMENTALLY PREFERABLE PROCUREMENT**

State agencies have made great progress in their effort to purchase non-paper recycled content items. Agencies continue to struggle to meet statutory procurement goals for paper products as set forth in RSMo. 34.032. Accurate tracking and reporting of purchases plays an important role in determining our progress in meeting these goals. Cost, availability and quality of recycled materials are also obstacles restricting purchases of recycled goods according to state agency personnel. This is clearly evident in the statewide contract for office paper. Virgin paper continues to be less expensive than recycled content.

FY01 procurement amounts were obtained from the new statewide financial management system (SAM II). In addition, each department was asked to report purchases of EP products or services that would not have been captured through SAM II. In most instances, agencies have reverted to manual tracking of their purchases.

OA/DPMM continues to promote recycled content items available on statewide contracts through a series of fact sheets distributed to state agency personnel and Cooperative Procurement Program members. Displays of recycled content items were showcased at various events such as workshops and “Clean Your Files” events.

### **PAPER PRODUCTS**

Paper is the most common recycled product purchased by state agencies. Most printing, office paper and course paper products can be purchased through statewide contracts that enable state agencies to purchase these paper products at low, consistent prices. Recycled content paper, however, continues to be more expensive than virgin.

Some of these contracts offer both EP products and non-EP product alternatives. Departments are encouraged to purchase the EP product alternative whenever feasible.

The following attainment goals as established in RSMo 34.032 identify the percentage of paper products to be purchased that contain post-consumer recovered materials:

(1) Ten percent in 1991 and 1992	(3) Forty percent in 1995; and
(2) Twenty-five percent in 1993 and 1994	(4) Sixty percent by 2000

The table below shows the dollar value and percentage of total recycled paper purchases by category for FY99, FY00 and FY01.

	FY99			FY00			FY01		
	EPP PURCHASES	TOTAL CATEGORY PURCHASES	EPP PURCHASES AS % OF OVERALL PRODUCT CATEGORY	EPP PURCHASES	TOTAL CATEGORY PURCHASES	EPP PURCHASES AS % OF OVERALL PRODUCT CATEGORY	EPP PURCHASES	TOTAL CATEGORY PURCHASES	EPP PURCHASES AS % OF OVERALL PRODUCT CATEGORY
<b>Fine Paper Products (Office, Copy, Fax)</b>	\$3,246,961	\$5,813,835	56%	\$1,604,239	\$5,270,661	30%	\$2,264,971	\$3,782,033	60%
<b>Course Paper Products (Napkins, Towels, Tissues)</b>	1,488,588	1,905,638	78%	979,068	1,341,050	73%	757,570	887,907	85%
<b>Forms (Continuous &amp; Snap Out)</b>	40,691	2,278,312	2%	148,758	920,364	16%	99,213	285,497	35%
<b>Envelopes (Plain or Printed)</b>	403,983	1,241,348	33%	57,415	979,825	6%	339,292	516,650	66%
<b>Printing by Contractors (40% of Total Charge)*</b>	446,043	2,413,826	18%	316,883	3,204,774	10%	862,373	1,423,017	61%
<b>TOTAL</b>	<b>\$5,626,266</b>	<b>\$13,652,959</b>	<b>41%</b>	<b>\$3,106,363</b>	<b>11,716,674</b>	<b>27%</b>	<b>\$4,323,419</b>	<b>\$6,895,104</b>	<b>63%</b>

\*Expenditures for printing services are not included with direct expenditures for paper because printing charges by commercial contractors generally include other costs associated with printing such as labor, equipment, operations, design, binding and artwork. After consulting with several commercial printers, OA/DPMM determined that 40% of the total printing charge was a reasonable estimate of the paper cost alone.



## NON-PAPER PRODUCTS

The table below summarizes FY01 purchases of recycled non-paper products as compared to FY98, FY99, and FY00 purchases. This information is based on the annual report surveys submitted by each department and procurement figures obtained from SAM II.

NON-PAPER PURCHASES	FY98	FY99	FY00	FY01
Bituminous Concrete	\$12,000,000	\$12,000,000		\$14,509,200
Emulsified Asphalt	\$12,000,000	\$10,000,000	\$10,000,000	\$12,000,000
Glass Beads	\$200	\$8,000,000	\$2,875,825	\$9,000,000
Paint	\$5,340,699	\$5,003,000	\$32,000	\$5,516,480
Signs	\$100	\$3,000,000	\$3,001,500	\$3,006,675
Alternate Fuel Vehicles	\$1,228,804	\$2,437,235	\$730,790	\$1,210,792
Corrugated Cardboard	\$91,735	\$94,506	\$2,344	\$872,138
Aluminum Sheeting	\$556,800	\$913,877	\$667	\$577,880
Office Supplies	\$76,267	\$112,900	\$230,138	\$465,402
Lottery Tickets	\$66,960	\$69,304	\$302,982	\$332,500
Janitorial & Cleaning Supplies	\$145	\$394,552	\$528,129	\$182,867
Lead Mining Chat		\$125,000		\$150,000
Low Mercury Fluorescent Bulbs	\$116,052	\$100,800	\$102,951	\$134,356
Tires, Re-Tread	\$80,271	\$90,000	\$63,230	\$78,686
Ink & Toner Cartridges	\$37,593	\$56,615	\$17,992	\$61,424
Water Based Glue				\$60,000
Promotional Supplies	\$25,976	\$42,962	\$50,563	\$54,492
Ammunition (Lead)				\$52,750
Alternate Fuels		\$45,000	\$9,982	\$49,341
Vehicle Maintenance Supplies	\$1,782	\$50	\$2,865	\$15,711
Plastic Lumber	\$8,122	\$5,929	\$5,283	\$12,809
Barrels & Containers	\$8,934	\$2,467	\$2,000	\$8,255
Re-refined Oil	\$5,000	\$5,000	\$5,000	\$5,075
Remanufactured Office Machines			\$6,341	\$2,377
Computer Supplies			\$951	\$1,666
Soy Ink				\$1,000
Copy Machine Supplies			\$1,859	\$854
Anti-Freeze	\$173	\$28,583	\$5,000	\$742
Office Furniture			\$5,646	\$305
Traffic Cones	\$55			\$100
Rechargeable Batteries				\$56
Asphalt Products			\$1,929	
Building & Construction			\$17	
Pallets & Skids			\$18,766	
Park & Playground Equipment			\$6,904	
Petroleum Products			\$12,629	
Playground Surfacing		\$111,010		
Road Material (Not Asphalt)			\$8,125,000	
<b>TOTAL PURCHASES</b>	<b>\$31,645,668</b>	<b>\$42,638,790</b>	<b>\$26,149,283</b>	<b>\$48,363,933</b>

## **FISCAL YEAR 2002 GOALS**

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**Listed below are goals established for the State Recycling Program for fiscal year 2002.**

- 1. Promote recycling, waste reduction and recycled product procurement through education and training.**
- 2. Decrease the amount of landfilled State waste by increasing recycling collection and waste reduction efforts.**
- 3. Promote purchases of environmentally preferable products and services.**
- 4. Monitor the state's waste stream to determine the effectiveness of our recycling and waste reduction efforts.**
- 5. Maintain, promote, and enhance information regarding the State Recycling Program on DPMM's Internet home page. Add basic guidelines for commonly recycled items.**
- 6. Maintain a database of all state agencies to include the appropriate points of contact within each agency.**
- 7. Establish contracts for recycling services for both Kansas City and St. Louis area state agencies.**
- 8. Continue support of Earth Day and Missouri Recycles Day.**
- 9. Develop a State Recycling Program brochure for use in various promotional applications such as new employee orientation.**
- 10. Identify opportunities in the state's current waste hauling services contract that will provide incentives for recycling and waste reduction efforts. Require periodic reviews by agencies to ensure the state is not paying for unnecessary pickups.**

# STATE DEPARTMENT RECYCLING EFFORTS

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Listed below are figures for FY01 recycling collection and environmentally preferable (EP) purchases as reported by each department.

**Recycling Collection** – These amounts do not include materials such as aluminum and mixed office paper collected by the contractor in Boone, Cole and Callaway counties. Departments reported additional materials recovered or materials recovered outside the contracted area.

In addition, State Printing has been broken out independently from Office of Administration as has Mo. Vocational Enterprises (MVE) from the Department of Corrections. Both State Printing and MVE provide services to all state departments.

## Office of the Governor

<u>MATERIALS RECOVERED</u>		<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Aluminum	30 lbs.	Fine Paper Products	\$600.00
Magazines	50 lbs.	Envelopes	400.00
Mixed Office Paper	100 lbs.	Course Paper Products	75.00
Telephone Books	75 lbs.	TOTAL	\$1,075.00
Newsprint	175 lbs.		

## Office of the Lt. Governor

### MATERIALS RECOVERED

Central MO region included in State collection totals.  
No additional figures reported.

## Office of the Secretary of State

### MATERIALS RECOVERED

Mixed Office Paper

457,553 lbs.

<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Alternate Fuel Vehicles	\$16,805.00
Fine Paper Products	1,393.54
Office Supplies	918.81
Computer Supplies	9.71
TOTAL	\$19,127.06

## Office of the State Auditor

### MATERIALS RECOVERED

Central MO region included in State collection totals.  
No additional figures reported.

<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Fine Paper Products	\$7,902.00
Office Supplies	582.46
TOTAL	\$8,484.46

## Office of the State Treasurer

### MATERIALS RECOVERED

Central MO region included in State collection totals.  
No additional figures reported.

<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Office Supplies	\$62.61
Fine Paper Products	54.15
TOTAL	\$116.76

**Office of the Attorney General**MATERIALS RECOVERED

Central MO region included in  
State collection totals.  
No additional figures reported.

ENVIRONMENTALLY PREFERABLE PURCHASES

Course Paper	\$25,760.80
Office Supplies	3,133.46
Fine Paper Products	604.50
Janitorial & Cleaning Supplies	204.00
<b>TOTAL</b>	<b>\$29,702.76</b>

**Supreme Court**MATERIAL RECOVERED

Aluminum	680 lbs.
Toner Cartridges	45 ea.

ENVIRONMENTALLY PREFERABLE PURCHASES

Printing	\$22,064.99
Fluorescent Lamps	4,310.00
Ink & Toner Cartridges	3,100.00
Fine Paper Products	2,389.00
Course Paper Products	2,304.86
Corrugated Cardboard	2,240.00
Office Supplies	1,710.00
Paint	1,250.00
Envelopes	1,249.45
Janitorial & Cleaning Supplies	842.00
Promotional Supplies	420.00
Forms	26.95
<b>TOTAL</b>	<b>\$41,907.25</b>

**Office of Administration**MATERIALS RECOVERED

Aluminum Cans	131 lbs.
Batteries, Lead Acid	ea.
Corrugated Cardboard	19,913 lbs.
Ink & Toner Cartridges	44 ea.
Newsprint	100 lbs.
Office Paper	800 lbs.
Oil	600 gal.
Pallets	1,356 ea.
Telephone Books	200 lbs.
Tires	20 ea.

ENVIRONMENTALLY PREFERABLE PURCHASES

Alternate Fuel Vehicles	\$15,254.00
Fine Paper Products	12,870.39
Recycling Equip. – Baler	9,000.00
Janitorial & Cleaning Supplies	6,690.30
Alternate Fuel	6,618.00
Barrels & Containers	4,572.05
Fluorescent Lamps	4,029.27
Office Supplies	2,836.94
Ink & Toner Cartridges	1,559.64
Course Paper Products	1,203.26
Envelopes	1,084.10
Promotional Supplies	1,015.19
Printing	500.25
<b>TOTAL</b>	<b>\$67,233.39</b>

**OA State Printing**MATERIALS RECOVERED

Aluminum	900 lbs.
Corrugated Cardboard	500 lbs.

ENVIRONMENTALLY PREFERABLE PURCHASES

Fine Paper Products	\$492,492.80
<b>TOTAL</b>	<b>\$492,492.80</b>

**Dept. of Agriculture**MATERIALS RECOVERED

Aluminum	50 lbs.
Batteries, Lead Acid	20 ea.
Corrugated Cardboard	14,003 lbs.
Oil, Used Motor	200 gal.
Pallet	50 ea.
Scarp Metal	20,000 lbs.
Tires	200 ea.
Toner Cartridges	8 ea.

ENVIRONMENTALLY PREFERABLE PURCHASES

Fine Paper Products	\$97,486.68
Printing	66,241.67
Alternate Fuel Vehicles	60,599.00
Office Supplies	13,433.31
Envelopes	12,829.78
Promotional Supplies	12,343.14
Forms	12,028.00
Alternate Fuel	4,128.00
Fluorescent Lamps	2,000.00
Ink & Toner Cartridges	903.60
Janitorial & Cleaning Supplies	848.57
Course Paper Products	274.09
<b>TOTAL</b>	<b>\$283,115.84</b>

**Dept. of Conservation**MATERIALS RECOVERED

Aluminum Cans	2,600 lbs.
Antifreeze	50 gal.
Batteries (Lead Acid)	46 ea.
Batteries (NiCd & NiMH)	357 ea.
Corrugated Cardboard	53,325 lbs.
Fluorescent Lamps	2,320 ea.
Glass	280 lbs.
Ink & Toner Cartridges	398 ea.
Magazines & Catalogs	5,535 lbs.
Mixed Office Paper	19,020 lbs.
Mixed Plastic	220 lbs.
News Print	2,425 lbs.
Oil, Used Motor	1,505 gal.
Pallets	11 ea.
Scrap Metal	2,000 lbs.
Telephone Books	1,498 lbs.
Tires	455 ea.

ENVIRONMENTALLY PREFERABLE PURCHASES

Printing Services	\$1,164,401.31
Fine Paper Products	818,847.95
Course Paper Products	32,398.23
Alternate Fuel	2,309.00
Office Supplies	1,049.51
Janitorial & Cleaning Supplies	1,004.27
<b>TOTAL</b>	<b>\$2,020,010.27</b>

**Dept. of Corrections**MATERIALS RECOVERED

Aluminum	78,256 ea.
Antifreeze	95 gal.
Batteries, Lead Acid	67 ea.
Batteries, NiCd & NiMH	358 ea.
Corrugated Cardboard	491,234 lbs.
Fluorescent Lamps	1,500 ea.
Ink & Toner Cartridges	1,695 ea.
Magazines	2,540 lbs.
Mixed Office Paper	376,710 lbs.
Mixed Plastic	13,110 lbs.
Newsprint	1,750 lbs.
Oil Filters	150 ea.
Oil, Used Cooking	14,400 gal.
Oil, Used Motor	2,300 gal.
Paint	73 gal.
Pallets	1,608 ea.
Scrap Metal	175,569 lbs.

ENVIRONMENTALLY PREFERABLE PURCHASES

Course Paper Products	\$253,190.00
Forms	66,317.42
Fine Paper Products	50,613.24
Printing	18,255.00
Janitorial & Cleaning	14,144.25
Envelopes	13,946.23
Office Supplies	9,872.60
Alternate Fuel	5,551.00
Fluorescent Lamps	5,386.00
Paint	3,200.00
Vehicle Maintenance Supplies	3,040.00
Plastic Lumber	1,621.00
Alternative Fuel Vehicles	1,127.00
Signs	908.00
Corrugated Cardboard	872.00
Anti-Freeze	347.00
Ink & Toner Cartridges	300.00

<u>MATERIALS RECOVERED</u>		<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Solvent	35 gal.	Barrels & Containers	33.00
Steel Cans	122,595 lbs.	<b>TOTAL</b>	<b>\$448,723.74</b>
Styrofoam	220 lbs.		
Telephone Books	1,480 ea.		
Textiles	1,384 lbs.		
Tires	21,993 ea.		

#### **Mo. Vocational Enterprises (MVE)**

<u>MATERIALS RECOVERED</u>		<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Ink & Toner Cartridges	5,500 ea.	Corrugated Cardboard	\$865,000.00
Pallets	1,000 ea.	Aluminum Sheeting	575,000.00
Scrap Metal	200,000 lbs.	Fine Office Paper	500,000.00
Tires	600,000 ea.	Envelopes	150,000.00
		Waterbased Wood Glue	60,000.00
		Course Paper	10,000.00
		Ink & Toner Cartridges	2,500.00
		Fluorescent Lamps	1,250.00
		Soy Ink	1,000.00
		<b>TOTAL</b>	<b>\$2,164,750.00</b>

#### **Dept. of Elementary & Secondary Education**

<u>MATERIALS RECOVERED</u>		<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Central MO region included in State collection figures.		Course Paper Products	\$76,170.38
No additional figures reported.		Printing	59,615.11
		Fine Paper Products	43,797.51
		Alternate Fuel Vehicles	39,214.00
		Envelopes	19,566.64
		Janitorial & Cleaning Supplies	8,675.61
		Office Supplies	8,002.65
		Alternate Fuel	3,591.00
		Ink & Toner Cartridges	1,545.44
		<b>TOTAL</b>	<b>\$260,178.34</b>

#### **Dept. of Economic Development**

<u>MATERIALS RECOVERED</u>		<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Central MO region included in State collection totals.		Printing	\$424,107.00
No additional figures reported.		Alternate Fuel Vehicles	103,823.00
		Course Paper	9,064.52
		Alternate Fuel	1,988.00
		Office Supplies	1,552.23
		Janitorial & Cleaning Supplies	749.02
		Fine Paper Products	410.67
		<b>TOTAL</b>	<b>\$541,694.44</b>

#### **Dept. of Health & Senior Services**

<u>MATERIALS RECOVERED</u>		<u>ENVIRONMENTALLY PREFERABLE PURCHASES</u>	
Pallets	120 ea.	Course Paper Products	\$69,190.60
Printer/Toner Cartridges	200 ea.	Envelopes	53,898.02
		Office Supplies	10,276.03
		Fine Paper Products	2,418.02
		Janitorial & Cleaning Supplies	1,021.50
		<b>TOTAL</b>	<b>\$136,804.17</b>

**Dept. of Higher Education**MATERIALS RECOVERED

Aluminum 135 lbs.

ENVIRONMENTALLY PREFERABLE PURCHASES

Course Paper Products	\$3,161.10
Alternate Fuel	1,646.00
Office Supplies	104.03
Fine Paper Products	41.52
<b>TOTAL</b>	<b>\$4,952.65</b>

**Dept. of Insurance**MATERIALS RECOVERED

Central NO region included in State collection totals.  
No additional figures reported.

ENVIRONMENTALLY PREFERABLE PURCHASES

Printing	\$32,073.00
Alternate Fuel Vehicles	15,464.00
Envelopes	6,176.00
Fine Paper Products	5,945.00
Office Supplies	1,299.00
Course Paper Products	917.00
<b>TOTAL</b>	<b>\$61,874.00</b>

**Dept. of Labor & Industrial Relations**MATERIALS RECOVERED

Central MO region included in State collection totals.  
No additional figures reported.

ENVIRONMENTALLY PREFERABLE PURCHASES

Course Paper Products	\$49,540.00
Office Supplies	11,046.10
Alternate Fuel	2,100.00
Fine Paper Products	1,023.00
<b>TOTAL</b>	<b>\$63,709.10</b>

**Dept. of Mental Health**MATERIALS RECOVERED

Aluminum	17,537 lbs.
Antifreeze	50 gal.
Batteries, Lead Acid	117 ea.
Batteries, Ni-Cd & NiMH	1,000 ea.
Compost	560 lbs.
Corrugated Cardboard	145,792 lbs.
Fluorescent Lamps	1,200 ea.
Magazines & Catalogs	14,815 lbs.
Newsprint	24,424 lbs.
Mixed Office Paper	146,659 lbs.
Oil, Used Motor	1,339 gal.
Pallets	1,648 ea.
Plastic	250 lbs.
Scrap Metal	49,240 lbs.
Steel Cans	14,664 lbs.
Telephone Books	4,090 ea.
Tires	97 ea.
Toner Cartridges	780 ea.

ENVIRONMENTALLY PREFERABLE PURCHASES

Alternate Fuel Vehicles	\$241,978.00
Office Supplies	167,388.00
Janitorial & Cleaning Supplies	134,822.00
Course Paper Products	122,880.00
Fine Paper Products	65,077.00
Fluorescent Lamps	15,519.00
Ink & Toner Cartridges	12,284.00
Forms	11,576.00
Bituminous Concrete	9,200.00
Paint	8,549.00
Envelopes	6,595.00
Plastic Lumber	6,029.00
Printing	3,660.00
Corrugated Cardboard	3,334.00
Vehicle Maintenance Supplies	2,357.00
Barrels & Containers	1,550.00
Tires, Retread	1,324.00
Signs	700.00
Remanufactured Office Equip.	581.00
Anti-Freeze	120.00
<b>TOTAL</b>	<b>\$815,523.00</b>

## Dept. of Natural Resources

### MATERIALS RECOVERED

Aluminum

Antifreeze

Batteries, Lead Acid

Batteries (NiCD & NiMH)

Corrugated Cardboard

Fluorescent Lamps

Glass

Magazines & Catalogs

Newsprint

Office Paper

Oil Filters

Pallets

Oil, Used Motor

Plastic

Scrap Metal

Steel

Styrofoam

Styrofoam

Telephone Books

Tires

Toner Cartridges

### ENVIRONMENTALLY PREFERABLE PURCHASES

Printing \$179,645.30

Promotional Items 39,018.87

Alternate Fuel 21,655.00

Fine Paper Products 8,208.69

Ink & Toner Cartridges 6,083.60

Office Supplies 4,396.75

Course Paper Products 4,281.00

Vehicle Maintenance Supplies 3,920.00

Janitorial & Cleaning Supplies 2,012.00

Alternative Fuel Vehicles 1,500.00

Envelopes 1,463.30

Fluorescent Lamps 596.00

Plastic Lumber 517.00

Anti-Freeze 225.00

Traffic Cones 100.00

Paint 100.00

Re-Refined Oil 75.00

Tires, Retread 70.00

Signs 67.00

Rechargeable Batteries 55.88

**TOTAL** \$273,990.39

## Dept. of Public Safety

### MATERIALS RECOVERED

Aluminum

Antifreeze

Batteries, Lead Acid

Brass

Corrugated Cardboard

Fluorescent Lamps

Magazine

Mixed Office Paper

Oil Filters

Oil, Used Motor

Paint

Pallets

Scrap Metal

Telephone Books

Tires

Toner Cartridges

### ENVIRONMENTALLY PREFERABLE PURCHASES

Alternate Fuel Vehicles \$617,286.00

Fine Paper Products 125,587.74

Ammunition 52,750.00

Course Paper Products 47,503.27

Office Supplies 33,878.71

Fluorescent Lamps 10,982.93

Janitorial & Cleaning Supplies 9,396.76

Envelopes 6,967.34

Forms 6,885.59

Signs 5,000.00

Vehicle Maintenance Supplies 4,370.00

Toner Cartridges Re-Manuf. 3,891.80

Paint 3,334.93

Plastic Lumber 2,370.62

Promotional Supplies 1,695.04

Printing 849.00

Corrugated Boxes & Sheets 692.47

Alternate Fuel 651.00

Remanufactured Office Equip. 319.00

Tires, Retread 230.48

**TOTAL** \$934,642.68

**Dept. of Revenue**MATERIALS RECOVERED

Central MO region included in  
State collection totals.  
No additional figures reported.

ENVIRONMENTALLY PREFERABLE PURCHASES

Lottery Tickets	\$332,500.00
Printing	238,897.61
Alternate Fuel Vehicles	47,730.00
Envelopes	35,850.00
Office Supplies	20,239.03
Course Paper Products	14,758.15
Alternate Fuel	2,196.00
Fine Paper Products	971.56
Janitorial & Cleaning Supplies	946.90
<b>TOTAL</b>	<b>\$694,089.25</b>

**Dept. Social Services**MATERIALS RECOVERED

Aluminum	1,856 lbs.
Corrugated Cardboard	60 lbs.
Fluorescent Lamps	120 ea.
Magazines	135 ea.
Mixed Office Paper	7,578 lbs.
Newsprint	8,305 lbs.
Oil, Used Motor	25 gal.
Plastic	50 lbs.
Steel	1,000 ea.
Telephones Books	510 ea.
Toner Cartridges	746 ea.

ENVIRONMENTALLY PREFERABLE PURCHASES

Ink & Toner Cartridges	\$ 26,543.50
Fine Paper Products	25,036.61
Course Paper Products	13,019.48
Office Supplies	8,619.43
Printing	6,497.85
Envelopes	2,382.71
Tires, Retread	2061.48
Forms	1,666.38
Janitorial & Cleaning Supplies	1,510.18
Vehicle Maintenance Supplies	1,287.00
Alternate Fuel	359.00
Fluorescent Lamps	202.85
Anti-Freeze	50.00
Paint	45.68
<b>TOTAL</b>	<b>\$89,282.15</b>

**Dept. of Transportation**MATERIALS RECOVERED

Aluminum	31,534 lbs.
Antifreeze (converted to permanent)	250 gal.
Batteries, Lead-Acid	3,500 ea.
Batteries, Ni-Cd & Ni-MH	2,531 ea.
Fluorescent Lamps	5,000 ea.
Office Paper	259,174 lbs.
Oil Used Motor	35,000 gal.
Oil Filters	1,023 ea.
Paint	500 gal.
Pallets	3,600 ea.
Scrap Metal – Steel	150,000 lbs.
Telephone Books	3,324 lbs.
Tires	65,245 ea.
Toner Cartridges	1,325 ea.

ENVIRONMENTALLY PREFERABLE PURCHASES

Bituminous Concrete	\$14,500,000.00
Emulsified Asphalt	12,000,000.00
Glass Beads	9,000,000.00
Paints & Lacquers	5,500,000.00
Signs	3,000,000.00
Office Supplies	165,000.00
Lead Mining Chat	150,000.00
Fluorescent Lamps	90,000.00
Tires, Retread	75,000.00
Alternate Fuel Vehicles	50,012.08
Printing	39,124.00
Envelopes	26,883.70
Course Paper Products	21,878.72
Fine Paper Products	9,100.80
Re-Refined Oil	5,000.00
Aluminum Sheeting	2,880.00
Ink & Toner Cartridges	2,712.17
Alternate Fuel	2,242.00
Barrels & Containers	2,100.00
Computer Supplies	1,666.00
Remanufactured Office Equip.	1,477.13
Plastic Lumber	1,300.00

MATERIALS RECOVEREDENVIRONMENTALLY PREFERABLE PURCHASES

Copy Machine Supplies	854.00
Vehicle Maintenance Supplies	737.09
Office Furniture	305.00
<b>TOTAL</b>	<b>\$44,648,272.69</b>